

U.S. Application No. 10/602,409
AMENDMENT A

Attorney Docket No.: 3968.031 RECEIVED
CENTRAL FAX CENTER
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IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Current Claims

1. – 24. (cancelled)

25. (New) A process for producing encapsulated flavoring preparations and/or perfume preparations, produced by fluidized-bed spray agglomeration, in which a flavoring preparation and/or perfume preparation is sprayed into a fluidized bed having granulation nuclei, wherein the mean residence time of the flavoring preparation and/or perfume preparation sprayed in is less than 20 minutes in the fluidized bed and wherein the granulation nuclei are produced internally in the fluidized bed.

26. (New) A process according to claim 25, wherein the fluidized bed has a bed height of less than 10 cm.

27. (New) A process according to claim 25, wherein granules of the desired particle size are separated by a sifter from the fluidized bed.

28. (New) A process according to claim 25, wherein the granules, after their production, are provided with an external coat by spraying on a liquid coating material.

29. (New) A process according to claim 25, wherein the flavorings and/or perfumes are used in the form of an emulsion produced by mixing the flavorings and/or perfumes with water and a polymeric carrier.

30. (New) A process according to claim 25, wherein the polymeric carriers used are hydrolysed starches, modified starches or hydrocolloids.

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31. (New) A process according to claim 25, wherein the flavouring emulsion and/or perfume emulsion comprises as additives food dyes or cosmetics dyes, sweeteners, antioxidants, edible acids, flavour-enhancing substances, vitamins, minerals and/or juice concentrates.

32. (New) A continuous process for encapsulating a flavoring and/or perfume preparation, said process comprising:

continuously spraying a spray solution comprising (a) water, (b) an emulsified flavoring and/or perfume preparation having ingredients having different evaporation rates, (c) optionally a solvent other than water and (d) a carrier into a stream of fluidizing gas,

continuously evaporating solvent to form granules comprising encapsulated flavoring and/or perfume in a fluidized bed, and

continuously classifying granules and separating granules from said fluidized bed as they reach a desired size,

wherein the average residency time of said flavoring and/or perfume preparation in said fluidized bed is 20 minutes or less, and

wherein said flavoring and/or perfume ingredients having different evaporation rates are present in substantially the same proportions in the granules as in the spray solution.

33. (New) A process as in claim 32, wherein said residency time is from 2 to 15 minutes.

34. (New) A process as in claim 32, wherein said residency time is from 5 to 10 minutes.

35. (New) A process as in claim 32, wherein said granules are formed by agglomeration.